

Name:

Pierpaolo Marchesini

Professional title:

Postdoctoral Fellow

Biographical Summary:

I am currently a Postdoctoral Fellow in the Geophysics Department, within the Energy Geosciences Division of Lawrence Berkeley National Laboratory (Berkeley Lab). I graduated with a MS in Electrical Engineering from Politecnico di Milano (Technical University of Milan, Italy) in 2005, and I spent few years working as a Research Associate in the same university (2006-2008). After an internship in the R&D Division of Witten Technologies (Boston, MA), I started a PhD in Marine Geology and Geophysics at the University of Miami (Miami, FL), where I received my degree in 2015.

At Berkeley Lab, I work in Tom Daley's team focusing on the acquisition, processing, and analysis of cross-well seismic data from field scale experiments. The project I work on addresses continuous travel time monitoring to detect stress changes, monitoring geologic storage of CO₂, and enhanced hydrocarbon recovery.

Research Interests:

My primary research interests at Berkeley Lab include:

- Subsurface imaging;
- Acquisition, processing, and analysis of seismic datasets;
- Continuous cross-well seismic monitoring to detect subsurface stress changes;
- Monitoring of geologic sequestration of CO₂;
- Monitoring reservoir pressure changes for enhanced hydrocarbon recovery (EOR).

Education:

MS, Electrical Engineering
Politecnico di Milano, 2005

PhD, Marine Geology and Geophysics
University of Miami, 2015

Experience:

2006-2008: Research Associate
Applied Geophysics Group, Politecnico di Milano (Milan, Italy)

2007-2008: Intern
R&D Division, Witten Technologies (Boston, MA)

2008-2015: Research Assistant
Center for Carbonate Research (CSL), University of Miami (Miami, FL)

2015-present
Postdoctoral Fellow
Geophysics Department, Energy geoscience Division, LBNL (Berkeley, CA)

Awards:

Young Researcher Session Award Nominee

XIII International Conference on Ground Penetrating Radar, 2010

Society of Exploration Geophysicists (SEG) Travel Award, 2012

15th Annual AAPG-SEG Student Expo, 2012

“Gustavo Sclocchi” Dissertation Award

Awarded by EAGE (European Association of Geoscientists and Engineers) and SPE (Society of Petroleum Engineers) for great results with dissertations and doctoral degrees in petroleum engineering, geoscience and other disciplines related to the Oil & Gas industry, 2015

Professional Affiliations:

- American Association of Petroleum Geologists (AAPG)
- Society for Sedimentary Geology (SEPM)
- Society of Exploration Geophysicists (SEG)
- European Association of Geoscientists and Engineers (EAGE)

Scholarly Services:

Reviewer, Journal of Applied Geophysics

Reviewer, Society of Exploration Geophysicists (SEG) Annual Meeting

Selected Publications:

<http://scholar.google.com/citations?user=MF6FlcsAAAAJ&hl=en>

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